

# ABSTRACT

A membrane capable of sensing gaseous phase ammonia is provided. The membrane includes a hydrophobic membrane layer that has a microporous structure and a pH sensitive dye embedded within the microporous structure such that the  
5 membrane is capable of colorimetrically sensing a change in ammonia with a high degree of sensitivity and responsiveness as applied to, for example, a change in ammonia dissolved in a dialysis solution during dialysis therapy.

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